Electronic Version
Stylesheet Version v1.1.1

SYSTEM FOR BENDING POLYMER OR GLASS OPTICAL WAVE GUIDES

Abstract

A bend (B) in a wave guide (G) is formed having two angled cuts (201, 202) on either side of a middle pivot point (207). The angled cuts (201, 202) extend through a first side of a cladding layer (101) of the wave guide formed with at least one inner layer (102) and one outer layer (101). The wave guide (G) is then bent at the angled cuts about the middle pivot point (207) to make a desired angle bend. The middle pivot point (207) has a reflective angled surface (401) such that light (404) propagating through the wave guide (G) will be reflected and turned at the desired angle.